Atrial Shape Evaluation

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Left-Atrial Shape and Atrial Fibrillation

A. Typical
B. Short Common Left Trunk
C. Long Common Left Trunk

AF: N = 16
Control: N = 18

N = 7 (including 3 of D)
N = 5 (including 2 of D)

N = 2
N = 2

D. Right Middle PV
E. Two Right Middle PVs
F. Right Middle PV and Right “upper” PV

AF: N = 4
Control: N = 3

N = 1
N = 0

N = 1
N = 1

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(d) Mean normal shape  (e) Mean permanent AF shape

First PCA of AF Disease States vs. Control Comparison

P-Value

Paroxysmal  Persistent  Permanent
Shape of the Left-Atrial Appendage